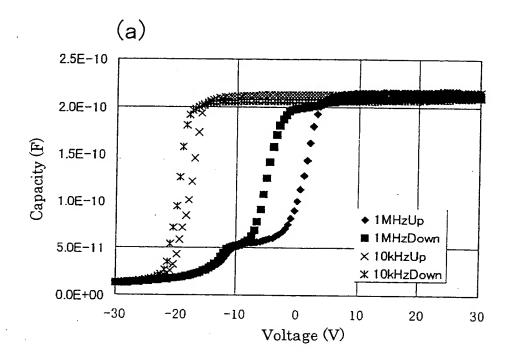
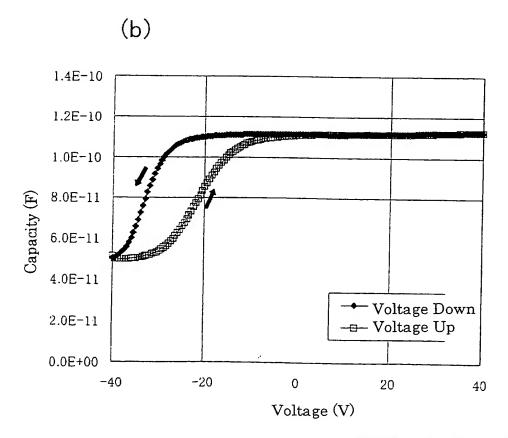


2 / 23

FIG. 2

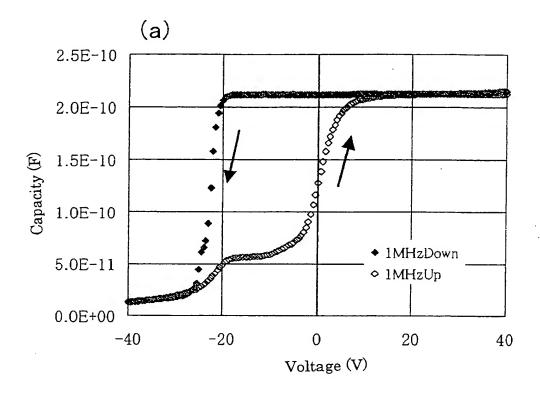


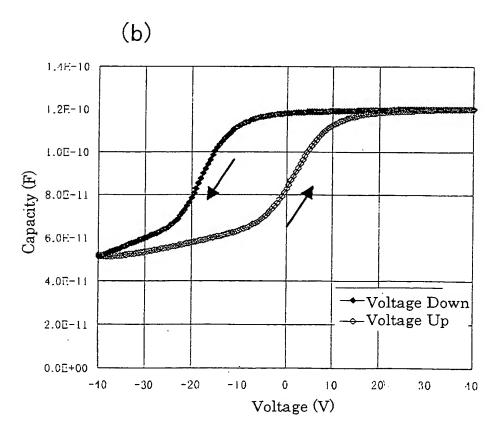


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3 / 23

F I G. 3

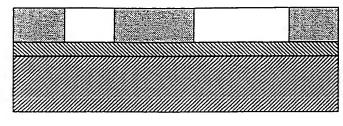




5 / 23

F I G. 5

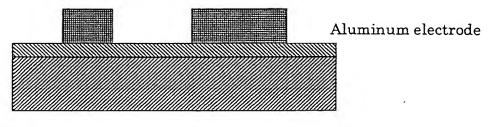
Attachment of metal mask to sample



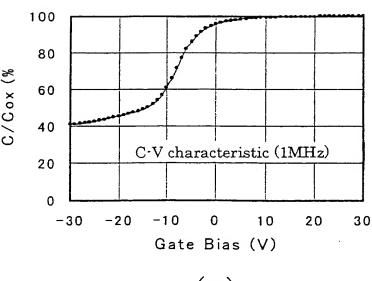
Metal mask
Borazine polymer
Silicon substrate

(a)

Removal of mask after evaporation of aluminum



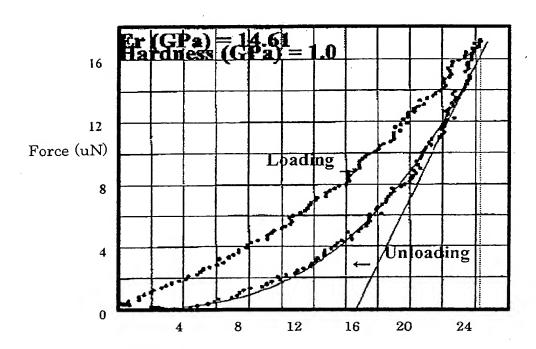
(b)



(c)

6 / 23

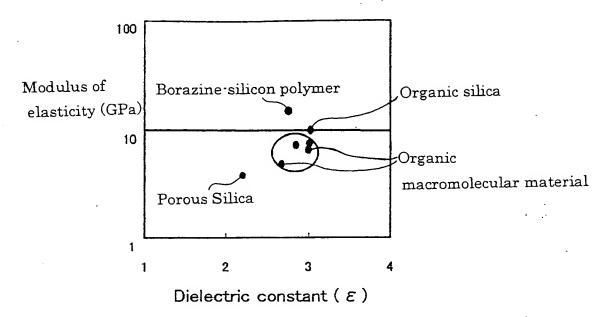
F 1 G. 6



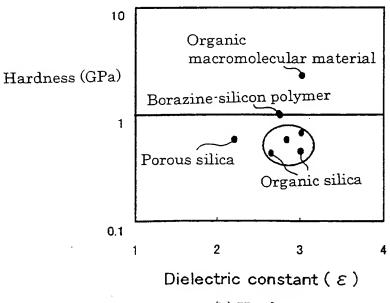
Depth of embedding (nm)

7 / 23

F 1 G. 7



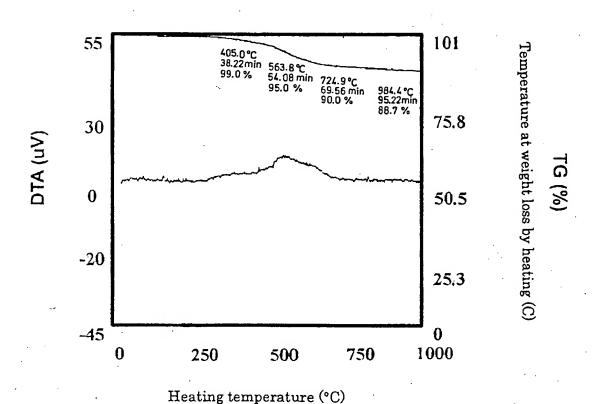
(a) Modulus of elasticity



(b) Hardness

8 / 23

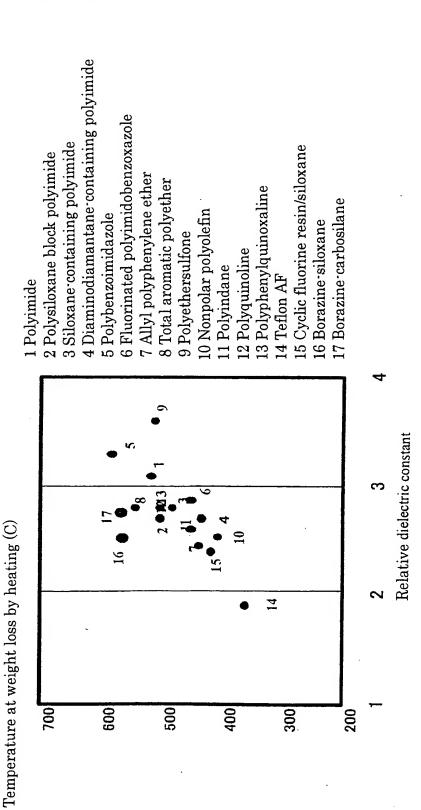
F1G.8



9 / 23

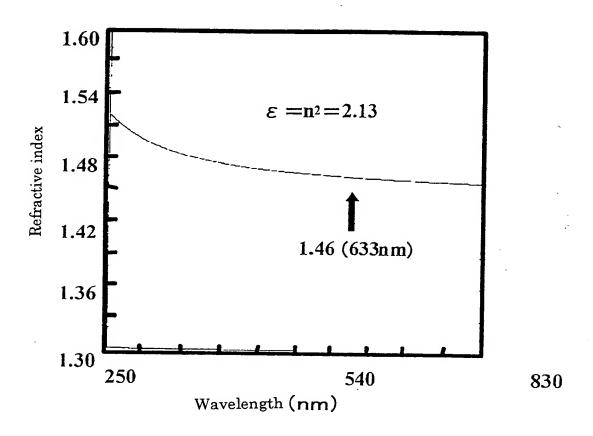
F1G.9

TG (%)

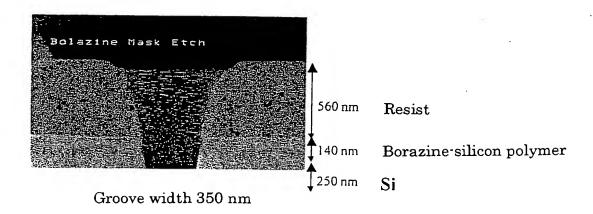


10 / 23

FIG. 10

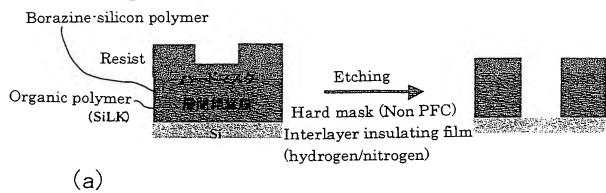


F I G. 11



11 / 23

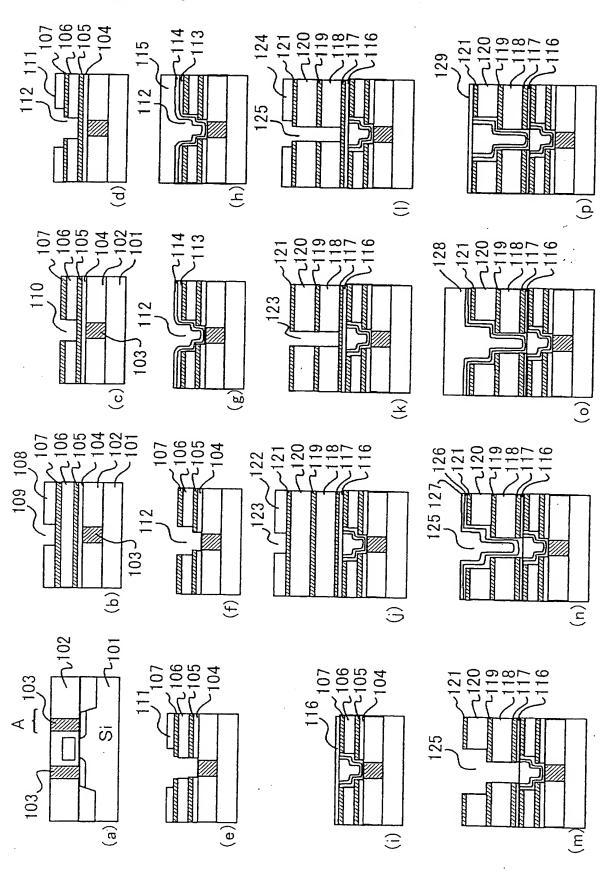
F I G. 12



(b) (c) (d)

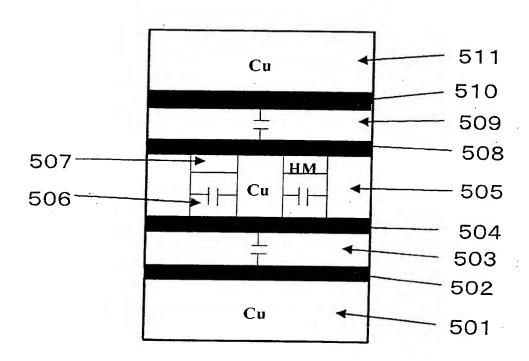
12 / 23

FIG. 13



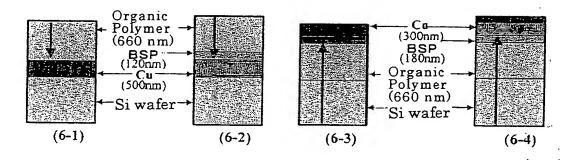
13 / 23

F I G. 14



17 / 23

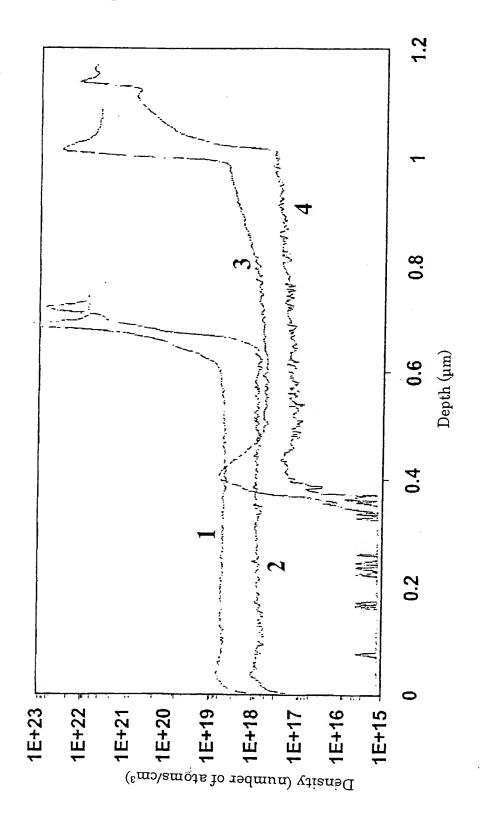
FIG. 18



	Structure	Cu atoms/cm3
1	Si/Cu(500nm)/OP(660nm)	5 × 10 ¹⁸
2	Si/Cu(500nm)/BSP(120nm)/OP(660nm)	8 × 10 ¹⁷
3	Si/OP(660nm)/Cu(300nm)	6 × 10 ¹⁷
4	Si/OP(660nm)/BSP(180nm)/Cu(300nm)	1 × 10 ¹⁷

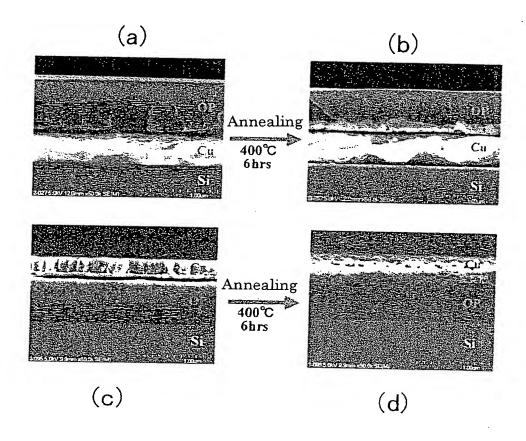
18 / 23

FIG.19



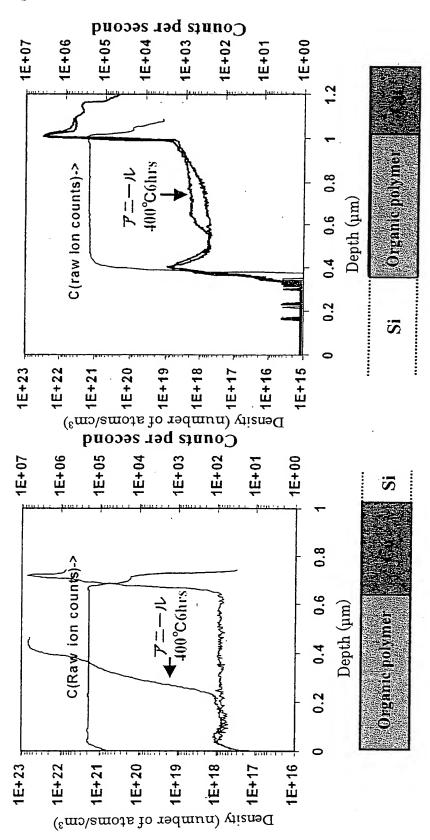
19 / 23

F1G.20



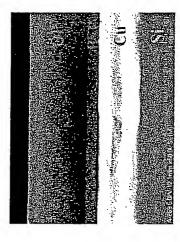
20 / 23

F I G. 21

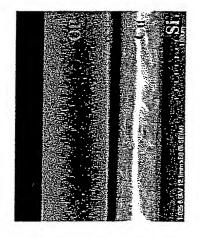


21 / 23

F I G. 22

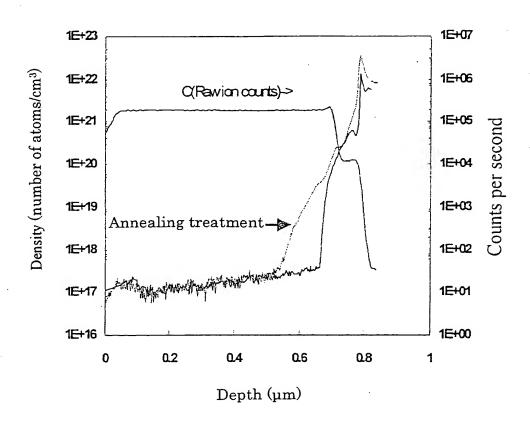


Annealing 400°C • 6hrs



22 / 23

F 1 G. 23



Organic polymer Si

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